★ R2,IPv6 −> R2,Eth, 1, Reachable, C,IPv6 -> C,Eth, 0, Reachable, R1,IPv6 -> R1,Eth, 1, Reachable, 4800:600:0:C00:3::/80 NEIGHBOR CACHE FEC0:0:0:0:3::/80 PREFIX LIST FE80::/80 FIG. 1 (PRIOR ART) **DEFAULT ROUTER** DESTINATION CACHE R2 -L,IPv6 H,IPv6 2 C,IPv6 D,IPv6 LIST **R**3 **R**4 **R**2

, 2

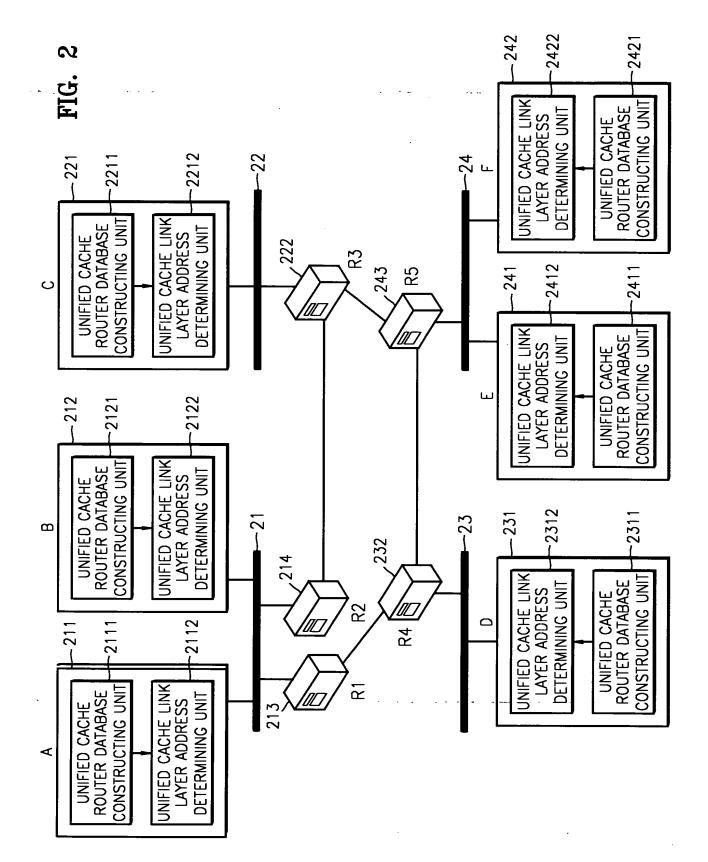


FIG. 3

NETWORK LAYER ADDRESS	PREFIX LENGTH	LINK LAYER ADDRESS	ONLINK	ROUTER	ONLINK ROUTER REACHABILITY	MTU	INTERFACE ID
			•••				
NETWORK LAYER ADDRESS	PREFIX LENGTH	LINK LAYER ADDRESS	ONLINK	ROUTER	ONLINK ROUTER REACHABILITY	MTU	INTERFACE ID
NETWORK LAYER ADDRESS	PREFIX LENGTH	LINK LAYER ADORESS	ONLINK	ROUTER	ONLINK ROUTER REACHABILITY	MTU	INTERFACE ID
NETWORK LAYER ADDRESS	PREFIX LENGTH	LINK LAYER ADDRESS	ONLINK	ONLINK ROUTER	REACHABILITY	MTU	INTERFACE ID
NETWORK LAYER ADDRESS	PREFIX LENGTH	LINK LAYER ADDRESS	ONLINK	ONLINK ROUTER	REACHABILITY	MTU	INTERFACE ID
NETWORK LAYER ADDRESS	PREFIX LENGTH	LINK LAYER ADDRESS	ONLINK	ONLINK ROUTER	REACHABILITY	MTU	INTERFACE ID
			• • •				
NETWORK LAYER ADDRESS	PREFIX LENGTH	LINK LAYER ADDRESS	ONLINK	ONLINK ROUTER	REACHABILITY	MTU	INTERFACE ID

FIG. 4

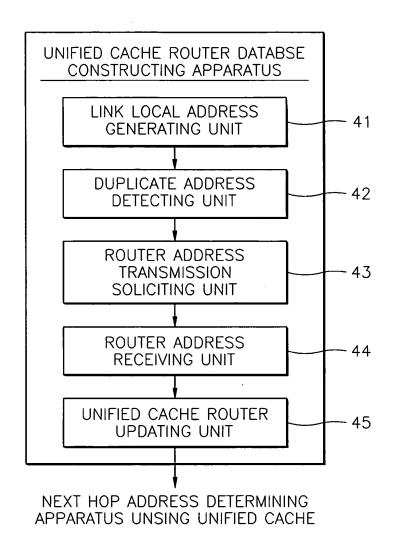


FIG. 5

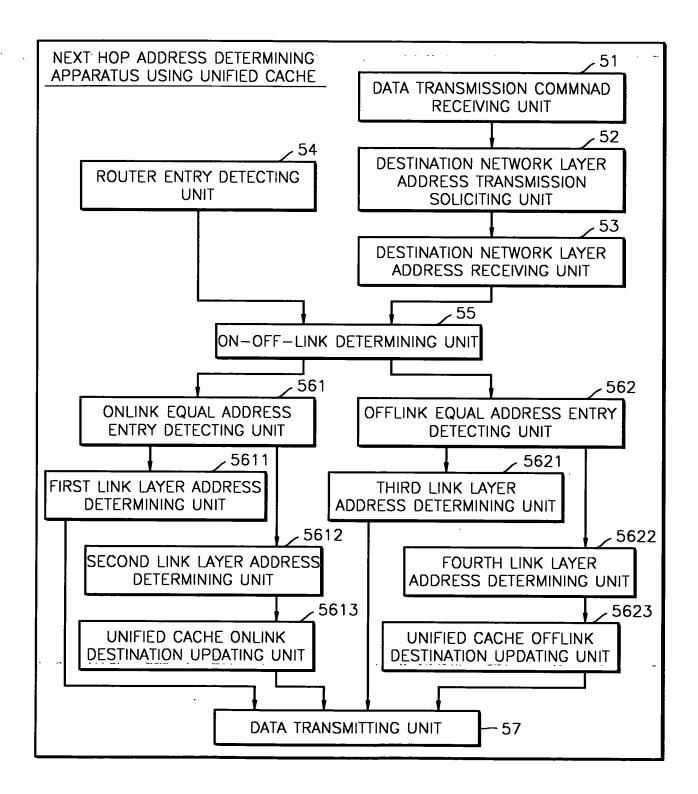
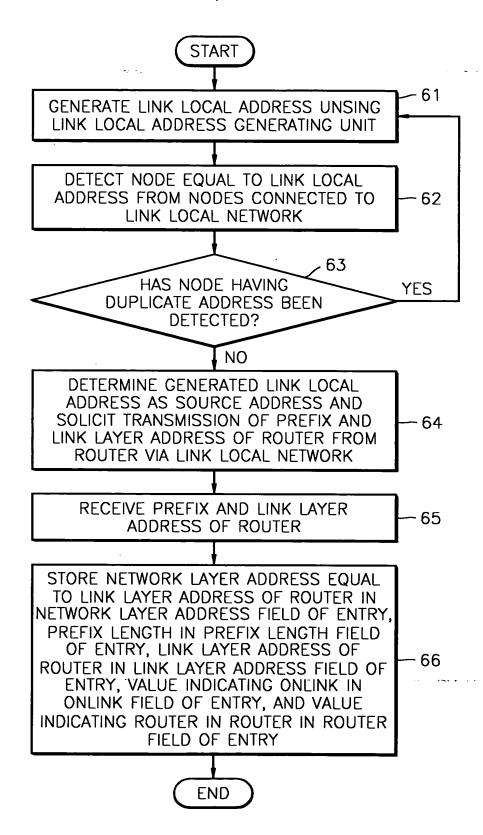


FIG. 6



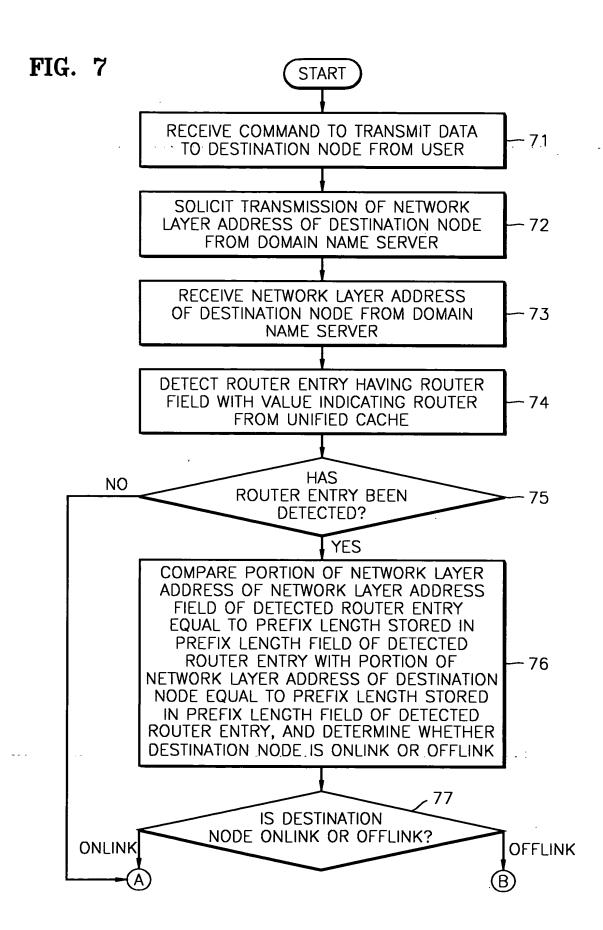


FIG. 8

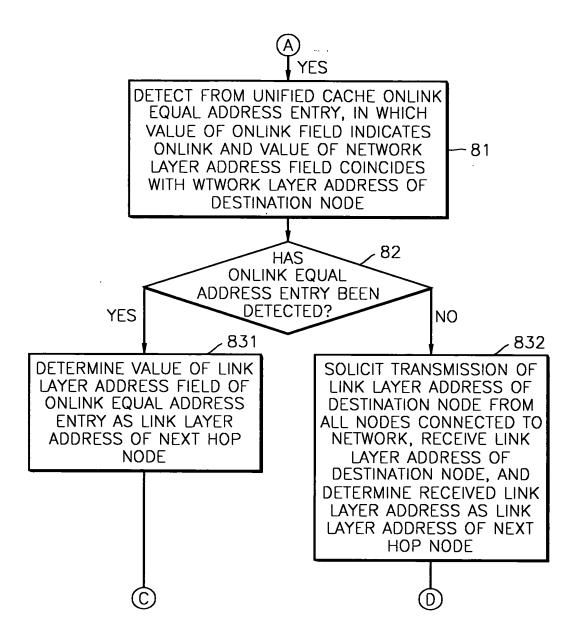
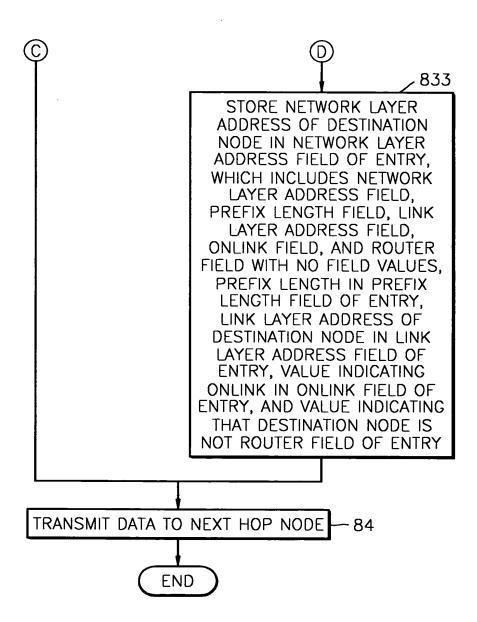


FIG. 8



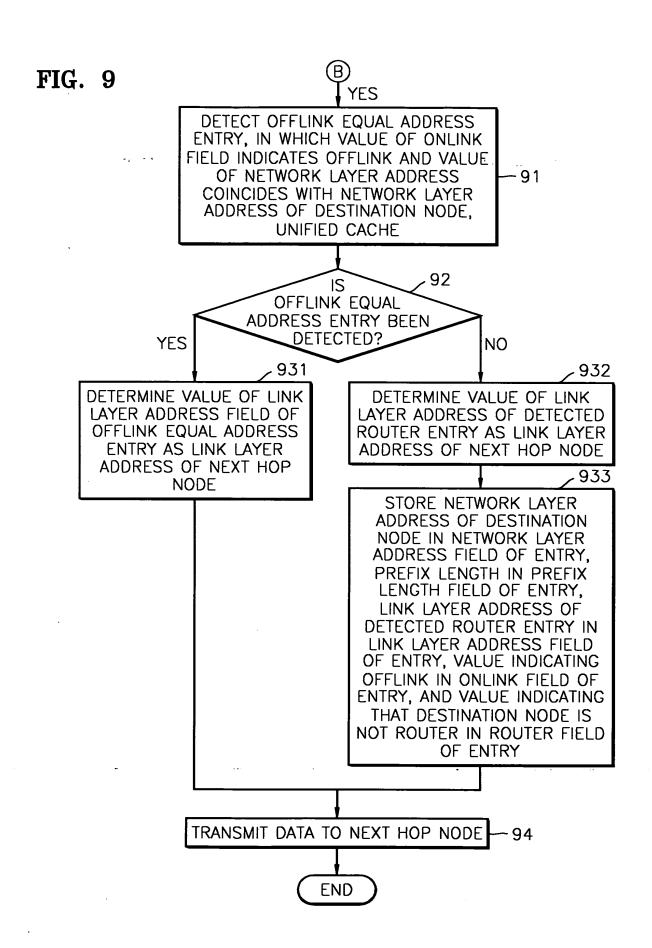


FIG. 10

